

ABSTRACT OF THE INVENTION

Ink-receptive substrates comprise a base layer formed from
5 a water-insoluble thermoplastic polymer, and an ink-receptive
layer disposed over the base layer. The ink-receptive layer is
formed from a melt-processable blend of a water-soluble polymer
and a substantially water-insoluble polymer, and provides an
inherently ink-receptive surface without further surface
10 treatment. The ink-receptive blend comprises in the range of
from 20 to 80 percent by weight water-soluble polymer, and in
the range of from 20 to 80 percent by weight substantially
water-insoluble polymer based on the total weight of the blend.
The blend has a melting temperature in the range of from about
15 100 to 600°F. Preferred water-soluble polymers include polyvinyl
alcohols and polyalkyl oxazolines. Preferred ink-receptive
substrates of this invention comprise a base layer and ink-
receptive layer that are formed simultaneously by coextrusion
process. Ink-receptive substrates of this invention can include
20 the ink-receptive layer on one or both surfaces of the base
layer, and/or can be constructed in the form of a pressure-
sensitive adhesive label, i.e., with a pressure-sensitive
adhesive material disposed on a surface of the base layer
opposite the ink-receptive layer.

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